



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**DATA MATRIX**

Date: September 21, 2012		EPA Reg No./File Symbol 5481-218		Page 1 of 10	
Applicant's/Registrant's Name & Address AMVAC Chemical Corporation, 4695 MacArthur Court, Ste. 1250, Newport Beach, CA 92660 ✓		Product 1-Naphthaleneacetic Acid, Sodium Salt ✓			
Ingredient 1-Naphthaleneacetic Acid, Sodium Salt ✓					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT CHEMISTRY</b>					
830.1550	Product Identity and Composition	47354501 ✓ 48850701 ✓ CSF ✓ 40523001 ✓	AMVAC Chemical Corporation	OWN	
830.1600	Discussion of Materials Used	47354502 ✓ 40523001	AMVAC Chemical Corporation	OWN	
830.1620	Description of Production Process	45354503 ✓ 40523001	AMVAC Chemical Corporation	OWN	
830.1650	Description of Formulation Process	Not Required	AMVAC Chemical Corporation	OWN	See Note 1
830.1670	Discussion of Formation of Impurities	47354504 ✓ 40523001	AMVAC Chemical Corporation	OWN	
830.1700	Preliminary Analysis	47354505 ✓ 00162239, 40523002	AMVAC Chemical Corporation	OWN	
830.1750	Certified Limits	47354506 ✓ 00162239, 40523002 CSF ✓	AMVAC Chemical Corporation	OWN	
830.1800	Enforcement Analytical Method	40523002 ✓ 47354505 ✓ 48850701 ✓ 00162239	AMVAC Chemical Corporation	OWN	
830.6302	Color	40523003 ✓ 48850701 ✓ 00162239	AMVAC Chemical Corporation	OWN	
830.6303	Physical State	40523003 ✓ 00162239 48850701 ✓	AMVAC Chemical Corporation	OWN	
830.6304	Odor	40523003 ✓ 00162239	AMVAC Chemical Corporation	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	44100602 ✓ 00162239, 40523003	AMVAC Chemical Corporation	OWN	
Signature: Kelly K. Naujock			Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager		Date 21-SEP-12

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*Not acceptable*

*Storage stability re studies  
fulfills guidelines 830.6317 - 830.6320*



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Applicant's/Registrant's Name & Address AMVAC Chemical Corporation, 4695 MacArthur Court, Ste. 1250, Newport Beach, CA 92660		Product 1-Naphthaleneacetic Acid, Sodium Salt			
Ingredient 1-Naphthaleneacetic Acid, Sodium Salt					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6314	Oxidation/Reduction: Chemical Incompatibility	Not Required <del>441169602</del> not for this product			See Note 2
830.6315	Flammability	Not Required ✓			See Note 3
830.6316	Explosibility	Not Required <del>441169602</del> not for this product			See Note 4
830.6317	Storage Stability	44100602 ✓ 43580401	AMVAC Chemical Corporation	OWN	
830.6318	Viscosity	Not Required			See Note 5
830.6319	Miscibility	Not Required ✓			See Note 6
830.6320	Corrosion Characteristics	44100602 ✓	AMVAC Chemical Corporation	OWN	
830.6321	Dielectric Breakdown Voltage	Not Required ✓			See Note 7
830.7000	pH	40523003 ✓ 001162239	AMVAC Chemical Corporation	OWN	
830.7050	UV / Visible Absorption	47478611 ✓	AMVAC Chemical Corporation	OWN	
830.7100	Viscosity	Not Required ✓			See Note 8
830.7200	Melting Point	40523003 ✓	AMVAC Chemical Corporation	OWN	
830.7220	Boiling Point	Not Required ✓			See Note 9
830.7300	Density	40523003 ✓ 48850701 ✓ 001162239	AMVAC Chemical Corporation	OWN	
830.7560	Partition Coefficient, Generator Column Method	48850701 ✓	AMVAC Chemical Corporation	OWN	
830.7570	Partition Coefficient, Shake Flask Method	Not Required ✓			See Note 10
Signature <i>Kelley K. Naujock</i>			Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager		Date 21-SEP-12

830.7370: dissociation constant in H<sub>2</sub>O  
 830.7560: Octanol/Water Partition Coefficient  
 001162239  
 441169602





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Ingredient 1-Naphthaleneacetic Acid, Sodium Salt		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7840	Solubility	48850701 ✓ 40523003 60162239	AMVAC Chemical Corporation	OWN	
830.7860	Water Solubility, Generator Column Method	Not Required			See Note 11
830.7950	Vapor Pressure	48850701 ✓ 40523003	AMVAC Chemical Corporation	OWN	

**ACUTE TOXICOLOGY**

870.1100	Acute Oral Toxicity - Rat	00126319 ✓ 00108829	AMVAC Chemical Corporation	OWN	
870.1200	Acute Dermal Toxicity - Rabbit / Rat	00126083 ✓ 00108829	AMVAC Chemical Corporation	OWN	not for
870.1300	Acute Inhalation Toxicity - Rat	00128256 ✓ 00108829	AMVAC Chemical Corporation	OWN	product
870.2400	Primary Eye Irritation - Rabbit	00127243 ✓ 00108829	AMVAC Chemical Corporation	OWN	
870.2500	Primary Skin Irritation	00127242 ✓ 00108829	AMVAC Chemical Corporation	OWN	
870.2600	Dermal Sensitization	00126320 ✓ 00108829	AMVAC Chemical Corporation	OWN	

**ECOLOGICAL EFFECTS**

850.1010	Invertebrate Toxicity	Not Required ✓			See Note 12
850.1075	Fish Toxicity - Bluegill	Not Required ✓			See Note 12
850.2100	Avian Acute Oral Toxicity	Not Required ✓			See Note 12
850.2200	Avian Dietary Toxicity - Quail & Duck	Not Required ✓			See Note 12

Signature <i>Kelly K. Naujock</i>	Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager	Date 21-SEP-12
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Applicant's/Registrant's Name & Address AMVAC Chemical Corporation, 4695 MacArthur Court, Ste. 1250, Newport Beach, CA 92660		Product 1-Naphthaleneacetic Acid, Sodium Salt

Ingredient 1-Naphthaleneacetic Acid, Sodium Salt

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2300	Avian Reproduction - Quail	Not Required ✓			See Note 12
850.4225	Seed Germ. / Seedling Emergence	43803201 ✓ 42589901 ✓	AMVAC Chemical Corporation	OWN	
850.4250	Vegetative Vigor	42564201 ✓ 43168301 ✓	AMVAC Chemical Corporation	OWN	
850.4400	Aquatic Plant Growth	42582204 ✓			
850.5400	Effects to Algae / Algal Toxicity	Not Required			See Note 12

**TOXICOLOGY**

870.3100	90-Day Feeding Rodent	42932601 ✓	AMVAC Chemical Corporation	OWN	
870.3150	90-Day Feeding – Non-Rodent	42983801 ✓	AMVAC Chemical Corporation	OWN	
870.3200	21-Day Dermal – Rabbit/Rat	43134701 ✓	AMVAC Chemical Corporation	OWN	
870.3700	Developmental Toxicity - Rat	Not Required			See Note 12
870.3700	Developmental Toxicity - Rabbit	Not Required			See Note 12
870.3800	2-Generation Reproduction - Rat	43796301	AMVAC Chemical Corporation	OWN	
870.4100	Chronic Feeding Toxicity - Rodent	Pending GDCI Issuance			
870.4100	Chronic Feeding Toxicity – Non-Rodent	43744201 ✓	AMVAC Chemical Corporation	OWN	
870.4200	Carcinogenicity - Rat	Pending GDCI Issuance			

Signature <i>Kelly K. Naujock</i>	Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager	Date 21-SEP-12
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Ingredient 1-Naphthaleneacetic Acid, Sodium Salt					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4200	Oncogenicity - Mouse	Not Required			See Note 12
870.4300	Combined Chronic Toxicity / Carcinogenicity	Not Required			See Note 12
870.5140 & 870.5265	Gene Mutation (Ames Test)	Not Required			See Note 12
870.5375	Structural Chromosomal Aberration	Not Required			See Note 12
870.5300	Gene Mutation – Mammalian: Mouse Lymphoma Cells	Not Required			See Note 12
870.5395	Erythrocyte Micronucleus - Mice	Not Required			See Note 12
870.5450	Rodent Dominant Lethal Assay	Not Required			See Note 12
870.5575	Mitotic Gene Conversion: <i>Saccharomyces cerevisiae</i>	Not Required			See Note 12
870.7485	General Metabolism	Not Required			See Note 12

**OCCUPATIONAL / RESIDENTIAL EXPOSURE**

875.2100	Foliar Residue Dissipation	ARTF data ✓	Agricultural Reentry Task Force	PER	
875.2400	Dermal Passive Dosimetry Exposure	ARTF and ORETF data ✓	Agricultural Reentry Task Force & Outdoor Residential Exposure Task Force	PER	
875.2500	Inhalation Passive Dosimetry Exposure	PHED and ORETF data ✓	Pesticide Handlers Exposure Database & Outdoor Residential Exposure Task Force	PER	
None	Estimation of Dermal Exposure at Outdoor Sites	ARTF data ✓	Agricultural Reentry Task Force	PER	
Signature <i>Kelley K. Naujock</i>			Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager		Date 21-SEP-12



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Ingredient 1-Naphthaleneacetic Acid, Sodium Salt		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
None	Estimation of Inhalation Exposure at Indoor Sites	PHED data	Pesticide Handlers Exposure Database	PER	

**ENVIRONMENTAL FATE**

None	Chemical Identity	Not Required			See Note 12
835.1240	Leaching / Adsorption / Desorption	Not Required			See Note 12
835.1850	Confined Rotational Crop	Not Required			See Note 12
835.2120	Hydrolysis	Not Required			See Note 12
835.2240	Photodegradation - Water	Not Required			See Note 12
835.2410	Photodegradation - Soil	Not Required			See Note 12
835.2370	Photodegradation - Air	Not Required			See Note 12
835.4100	Aerobic Soil Metabolism	Not Required			See Note 12
835.4200	Anaerobic Soil Metabolism	Not Required			See Note 12
835.4300	Aerobic Aquatic Metabolism	Not Required			See Note 12
835.4400	Anaerobic Aquatic Metabolism	Not Required			See Note 12
835.6100	Terrestrial Field Dissipation	Not Required			See Note 12
None	Bioaccumulation in Fish	Not Required			See Note 12

Signature <i>Kelly K. Naujock</i>	Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager	Date 21-SEP-12
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Ingredient 1-Naphthaleneacetic Acid, Sodium Salt

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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**RESIDUE CHEMISTRY**

860.1200	Directions for Use	On Label			
860.1300	Nature of Residue - Plants	Pending GDCI Issuance			
860.1300	Nature of Residue - Livestock	Pending GDCI Issuance			
860.1340	Residue Analytical Method - Plants	00004916 00004943 00004946 00004949 00159237 05002768 05008121 05020083 44555403 44586502 GS0023012 GS0023019 GS0023036	Thompson Chemicals Corporation IR-4 IR-4 IR-4 IR-4 Literature Literature Literature Amvac Chemical Corporation Amvac Chemical Corporation Anchem Products Anchem Products Anchem Products	OLD OLD OLD OLD OLD PL PL PL OWN OWN OLD OLD OLD	
860.1340	Residue Analytical Method - Animals	ibid	ibid	ibid	
860.1360	Multiresidue Method	Not Required			See Note 12
860.1380	Storage Stability (Plant Commodities)	44660201 44660202 44835301	Amvac Chemical Corporation Amvac Chemical Corporation Amvac Chemical Corporation	OWN OWN OWN	
860.1480	Magnitudes of Residues - Meat / Milk / Poultry / Egg	Pending GDCI Issuance			

Signature <i>Kelley K. Naujock</i>	Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager	Date 21-SEP-12
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Ingredient 1-Naphthaleneacetic Acid, Sodium Salt					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop Field Trials				
	Citrus Fruit Groups (Crop Group 10) - Orange	00051218 00060940 00060941 00060942 00060943 00161042	IR-4 IR-4 IR-4 IR-4 IR-4 IR-4	OLD OLD OLD OLD OLD OLD	
	Tangerine	ibid			
	Pome Fruits (Crop Group 11) - Apple	GS0023036 40884401 45283601	Anchem Products Bayer CropScience LP Amvac Chemical Corporation	OLD OLD OWN	
	Pear	GS0023019 40884402 45283602	Anchem Products Bayer CropScience Amvac Chemical Corporation	OLD OLD OWN	
	Stone Fruits Group Cherry, Sweet	00114389 00114390	IR-4 IR-4	OLD OLD	
860.1500	Crop Field Trials - Miscellaneous Commodities				
	Olive	00004943 44555402 GS0023012	IR-4 Amvac Chemical Corporation Anchem Products	OLD OWN OLD	
	Pineapple	00004946	IR-4	OLD	
Signature <i>Kelly K. Naujock</i>			Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager		Date 21-SEP-12

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860.1500 - Submittal of analytical reference standards (reg'd as of 4/25/08)

\* Why do you have other commodities beside apple & pears?





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Ingredient 1-Naphthaleneacetic Acid, Sodium Salt					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Processed Food / Feed				
	Processed Food (Olive)	44555401	Amvac Chemical Corporation	OWN	
	Processed Food (Apple)	44586501	Amvac Chemical Corporation	OWN	
	Processed Food (Fruit, Citrus, Group 10)	00051218 00060940 00060941 00060942 00060943 00161042	IR-4 IR-4 IR-4 IR-4 IR-4 IR-4	OLD OLD OLD OLD OLD OLD	
Signature <i>Kelly K. Naujock</i>			Name and Title Ms. Kelly K. Naujock, Regulatory Product Manager		Date 21-SEP-12

**Addendum to Data Matrix for 5481-218 dated September 21, 2012**  
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Notes:

1. Not Required for a TGA
2. Product does not contain an oxidizing or reducing agent
3. Product does not contain combustible liquids
4. Product is not potentially explosive
5. Product is not a liquid
6. Product is not an emulsifiable liquid and is not to be diluted with petroleum solvents
7. Product is not an end-use product, nor a liquid and is not for use around electrical equipment
8. Product is not a liquid
9. Product is not a liquid
10. Data generated under OPPTS 830.7560
11. Data generated for OPPTS 830.7840
12. Not required per Appendix B in NNA Amended RED dated October 2007